

10/564846
1AP20 Rec'd PCT/PTO 13 JAN 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Karsenti, Laurent.

Application No.: Not Yet Received

Filed: July 15, 2003

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

Docket No.: 40006317-0072-002

Confirmation No.: Not Yet Received

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

on January 13, 2006
Date of Deposit

Jennifer L. Stewart
Name of Person Mailing Correspondence

Jennifer L. Stewart 1/13/06
Signature Date

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g. copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted with the filing of this application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

80/564846
IAP20 Res'd PCT/PTO 13 JAN 2006

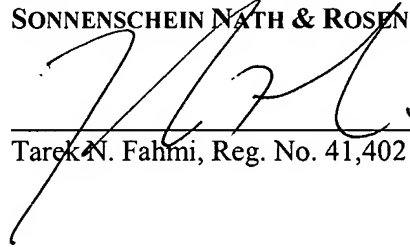
The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 19-3140. A duplicate copy of this sheet is enclosed for this purpose.

Respectfully submitted,

SONNENSCHEN NATH & ROSENTHAL LLP

Date: January 13, 2006


Tarek N. Fahmi, Reg. No. 41,402

Patent Counsel
Applied Materials, Inc.
P.O Box 450A
Santa Clara, Ca 95052
415.882.5023

10/564846

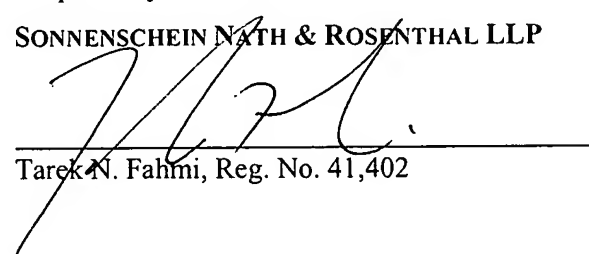
1AP20 Rec'd PCT/PTO 13 JAN 2006

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 19-3140. A duplicate copy of this sheet is enclosed for this purpose.

Respectfully submitted,

SONNENSCHEN NATH & ROSENTHAL LLP


Tarek N. Fahmi, Reg. No. 41,402

Date: January 13, 2006

Patent Counsel
Applied Materials, Inc.
P.O Box 450A
Santa Clara, Ca 95052
415.882.5023

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|-------------------|
| Application Number | unknown |
| Filing Date | July 15, 2004 |
| First Named Inventor | Karsenti, Laurent |
| Art Unit | unknown |
| Examiner Name | unknown |
| Attorney Docket Number | 40006317-0072-002 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 2 |
|-------|---|----|---|

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|------------------|---|---|----------------|
| | | Country Code ² -Number ⁴ -Kind Code ⁵ (if known) | MM-DD-YYYY | | | |
| | | EP 1 146 481 | 10/17/2001 | Nanogeometry Res. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|------|--|--------------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Complete if Known | |
| | | Application Number | Unknown 10/564846 |
| | | Filing Date | July 15, 2004 |
| | | First Named Inventor | Karsenti, Laurent |
| | | Art Unit | unknown |
| | | Examiner Name | unknown |
| Sheet 2 | of 2 | Attorney Docket Number 40006317-0072-002 | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | International Search Report, APPLIED MATERIALS ISRAEL, LTD., May 11, 2005, 9 pp | |
| | | XIANGHONG ZHAO et al., Automated Image Analysis for Applications in Reservoir Characterization, Knowledge-Based Intelligent Engineering Systems and Allied Technologies, 2000. Proceedings, fourth int. conference on Brighton, UK., 30 Aug- 1 Sept. 2000, 4pp | |
| | | GONGYUAN Qu et al., Wafer Defect Detection Using Directional Morphological Gradient Techniques, Eursasip Journal on Applied Signal Processing Hindawi USA, Vol 2002, No. 7, 18p | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.